

of topography, climate, and geology.

The differences in soils are one determinant of the best use that can and should be made of the land. Improper uses of Vance County's land may have disastrous consequences for the property owner. Improper use of the land for farming purposes will inevitably result in low crop yields, small returns on the investment of time and money and may further deteriorate the condition and capability of the land.

The small homeowner may be beset by a myriad of problems such as faulty septic tank operations, an inadequate or polluted water supply, poor drainage, and construction problems if he neglects to investigate the properties of the soil on which he builds his home. Thus, it can be seen that technical considerations of soil properties and capabilities are of interest to all Vance County residents.

Generally, the following soil associations can be found in Vance County, North Carolina:

A. Cecil Association

Gently sloping to moderately steep, well drained soils with sandy loam to clay loam surfaces over firm red clay subsoils.

This association consists of fairly broad, moderately sloping ridges that break sharply to the drainageways. They have sandy loam to clay loam surface soils over firm, red clay subsoils derived from acidic rocks. The rest of the association consists of minor acreage of Appling, Vance,